**Technical Specifications**

**Recommended Hole size range**
- Hole size range: Ø 90 - 130 mm
- Hammer Sizes: 3.5 inches / 4 inches

**Drill Rod (Pipe) Handling system (RHS)**
- Pipe Handling System: 7+1
- Drill Pipe dia: 68 mm / 76 mm
- Drill Pipe Length: 3.5 m
- Max. Hole Depth w/auto RHS: 28 m

**Hydraulic Rotary Head**
- Rotation Speed: 0 - 105 rpm
- Max. Work Torque: 2,800 Nm

**Engine**
- Cummins QSC8.3
- Rated Power: 194 kW @ 2,200 rpm
- Emission Standard: Stage 3

**Fuel Tank**
- Size: 350 L

**Compressor**
- JE810 II
- Max. Work Pressure: 20 Bars
- FAD: 16 m³ / min

**Boom Type**
- Heavy duty straight

**Feed Beam**
- Feed type: Motor - chain
- Total Length: 6,865 mm
- Feed travel length: 4,100 mm
- Feed extension: 1,200 mm
- Max. Feed speed: 0.85 m / s
- Max. Feed force: 15 kN
- Max. Pull up force: 31 kN

**Chassis**
- Max. tramming speed: 3 km / h
- Max. Traction force: 115.4 kN
- Slope Capability: 30° (add winch if >20°)
- Track Frame Oscillation: +/- 10°
- Ground Clearance: 450 mm

**Transportation Dimensions (w/o options) about**
- Weight: 15,000 kg
- Width: 2,480 mm
- Length: 9,980 mm
- Height: 3,200 mm

**Standard Equipment**
- Cummins QSC8.3, 194 kW
- Dual Stage Screw Compressor
- Cooling System up to 50°C climate
- Automatic Rod (Pipe) Handling System
- Movable dust hood for convenient observation and accurate hole collaring
- Dust pre-filters
- Dust collector with auto continuous cleaning system
- Hydraulic rotary head
- Feed beam extension and compensation
- Heavy duty feed beam
- Hammer lubrication system
- Pipe thread lubrication system
- Floating hydraulic hose reel
- Safety Cab with all weather AC, rear view mirror and multi-angle adjustable seat
- Noise level ≤ 80 dB, ergonomic design control handle on the arm rest of the seat
- Dual speed hydraulic tramming motor
- Heavy duty track frame with 3 teeth shoes
- Hydraulic drill pipe guiding device and drill pipe handling platform
- Fuel saving system
- Back up alarm
- Work lights
- Emergency Auto shutdown
- Filtered manual hydraulic oil pump
- Hydraulic rod / pipe clamping system

**Options**
- Auto anti-jamming system
- Water mist system
- Intelligent remote control system
- High altitude package
- Extreme cold package
- Electric fuel filling pump
- Tier 3 or Tier 4

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Intelligently Made by ZEGA

ZEGA reserves the right to the explanation of the contents 201601
Better drilling capabilities, higher quality holes

Base on mature technology, ZEGA is constantly improving the drill rig production capabilities and work adaptability. D440 with near perfection on flexibility and reliability for higher production efficiency, better adaptability and higher quality holes.

One machine can do it all to increase stripping speed and control dilution rate. Lighter weight and compact size allows easy moving around between work sites and benches. Because of the excellent flexibility and powerful drilling capabilities, D440 is widely used for various drilling applications, such as surface quarry and mining blast hole drilling, pre-splitting hole drilling, buffer hole and slope pressure relief hole drilling, and super deep hole drilling.

ZEGA D440 Features
- Precise straight hole for better blast result control.
- Increasing stripping speed by combining and pre-splitting holes.
- Reducing waste by increasing slope angle.
- Much better flexibility than the traditional drill rigs.

Excellent return on investment
D440 working pressure up to 20 bars with 3.5 m drill pipe and choices of 2 dia. sizes to choose from, good for foot hole drilling and drilling speed much faster than the competitive products.

High efficiency, energy saving, environment friendly, safety
Dual stage air compressor for excellent energy performance ratio and high air pressure drilling. Excellent Fuel economy better for energy saving and environment.
- High torque rotary head to conquer jamming in most rock formations.
- Two stage dust collection system to meet environment requirement.
- All closed AC Cab for better view, comfortable and safe operation.
- New style feed beam, excellent for direction control and stability to achieve high precision drilling.

Flexibility and maneuverability
D440 with excellent tramming ability for fast and safe moving between job sites. With adequate ground clearance and 10° oscillation on heavy duty track frame, great off road capabilities due to low gravity and balanced weight distribution. Excellent vertical and various inclined drilling even on slopes.

Convenient maintenance and service access
With spacious service room, all maintenance access points easy to reach. Marked and labeled both ends of hoses & pipes, electrical wires & cables with ring labels for easier service access.

The more vertical of the bench slope the better production economy
Pre-splitting by ZEGA D440 for higher and narrower benches and sharper slope to reduce waste and less excavation, in turn to reduce dilution rate for higher production rate and better profits for the mines.